

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE COMPLAINT OF JAMES N. DWYER)
AGAINST KENTUCKY-AMERICAN WATER) CASE NO. 8739
COMPANY)

O R D E R

IT IS ORDERED that Kentucky-American Water Company ("Kentucky-American") shall file an original and seven copies of the following information with the Commission with a copy to all parties of record by May 25, 1983. Kentucky-American shall also furnish with each response the name of the witness who will be available at the public hearing for responding to questions concerning each area of information requested.

(1) Provide hydraulic analyses, supported by computations and field measurements, of typical operational sequences of the existing water distribution system in the area under consideration. Area to include Avon, Fenwick, and Muir in Fayette County and Hutchinson in Bourbon County. Computations are to be documented by a schematic map of the system that shows pipeline sizes, lengths, connections, pumps, and sea level elevations of key points, as well as allocations of actual customer demands. Flows used in the analyses shall be

identified as to whether they are based on average daily flows, peak daily flows, fire flows, or any combination or variation thereof. The flows used in the analyses shall be documented by actual field measurements and customer use records and any deviation from actual measurements shall be fully explained.

(2) Provide a summary of any operational deficiencies of the existing water system that are indicated by the hydraulic analyses.

(3) Provide hydraulic analyses, supported by computations and field measurements, of typical operational sequences of the water distribution system after the proposed future 8-inch main along Antioch road has been constructed and is operating. Justify fully any assumptions used in the analyses.

(4) Provide hydraulic analyses, supported by computations and field measurements, of operational sequences of the water distribution system after a proposed 3-inch diameter waterline has been extended along Antioch Road to the James N. Dwyer property and is operating. Justify fully any assumptions used in the analyses.

(5) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available at Kentucky-American's water main in the vicinity of the intersection of Ware Road and Antioch Road. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(6) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available at Kentucky-American's water main in the vicinity of the intersection of Bethlehem Road and Antioch Road. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(7) Provide copies of all bacteriological test reports made and reported to the Kentucky Division of Water for the two years ending May 1, 1983.

(8) Provide copies of the results of all bacteriological tests made but not reported to the Kentucky Division of Water for the two years ending May 1, 1983.

(9) Identify the sample point locations of all positive bacteriological tests conducted for the two years ending May 1, 1983. In addition, identify the sample point for each positive test as to diameter of main, whether or not the main was dead-ended or looped, and provide a reasonable estimate of the average daily flow through the main at the sample point.

(10) Provide copies of all chlorine residual test reports made and reported to the Kentucky Division of Water for the two years ending May 1, 1983.

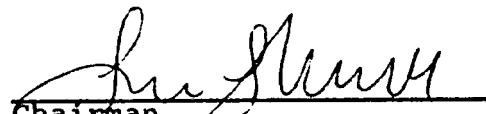
(11) Provide copies of the results of all chlorine residual tests made but not reported for the two years ending May 1, 1983.

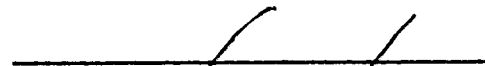
(12) Identify the sample point locations of all chlorine residual tests which obtained results below 0.2 milligrams per

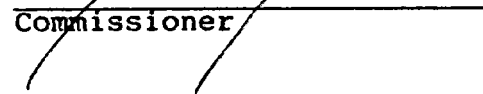
liter of free chlorine during the two year period ending May 1, 1983. In addition, identify the sample point for each low chlorine result as to diameter of main, whether or not the main was dead-ended or looped, and provide a reasonable estimate of average daily flow through the main at the sample point.

Done at Frankfort, Kentucky, this 11th day of May, 1983.

PUBLIC SERVICE COMMISSION


Chairman


Vice Chairman


Commissioner

ATTEST:

SECRETARY